

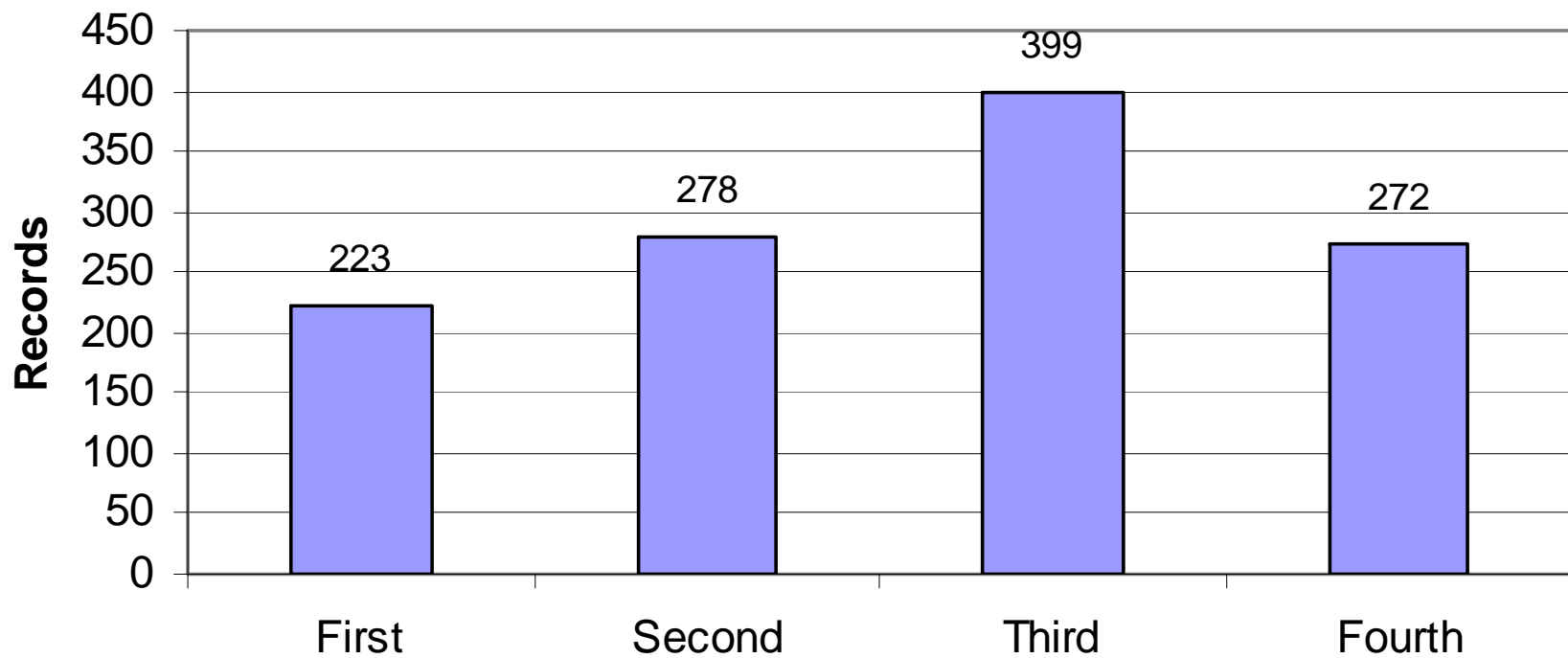
Eastern RTAC Trauma Registry Report

1st, 2nd, 3rd and 4th Quarters 2007

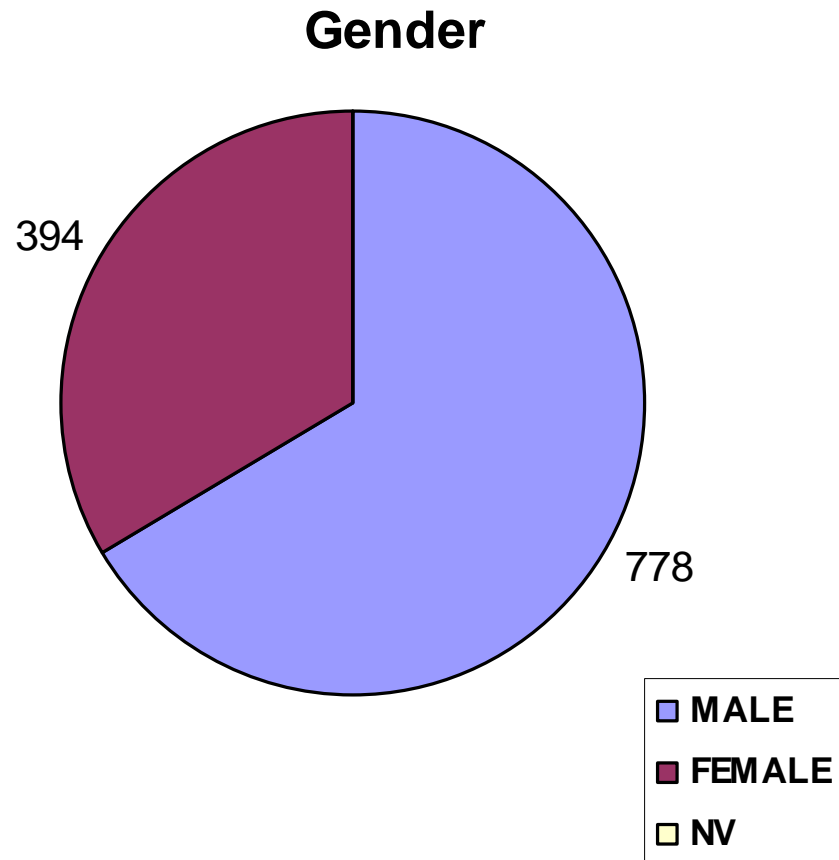
January 1 – December 31

Livingston Memorial Hospital	33
Roundup Memorial Hospital	9
Culbertson: Roosevelt Memorial Hospital	9
Harlowton: Wheatland Memorial Hospital	20
Red Lodge: Beartooth Hospital	20
Plentywood: Sheridan Memorial Hospital	2
Sidney Health Center	14
Wolf Point: Trinity Hospital	15
Poplar Hospital	18
Glasgow: Frances Mahon Deaconess Hospital	15
Big Timber: Sweet Grass Community Hospital	14
Bozeman Deaconess Hospital	155
Billings Clinic	383
Billings: St Vincent Healthcare	454
Colstrip Medical clinic	11

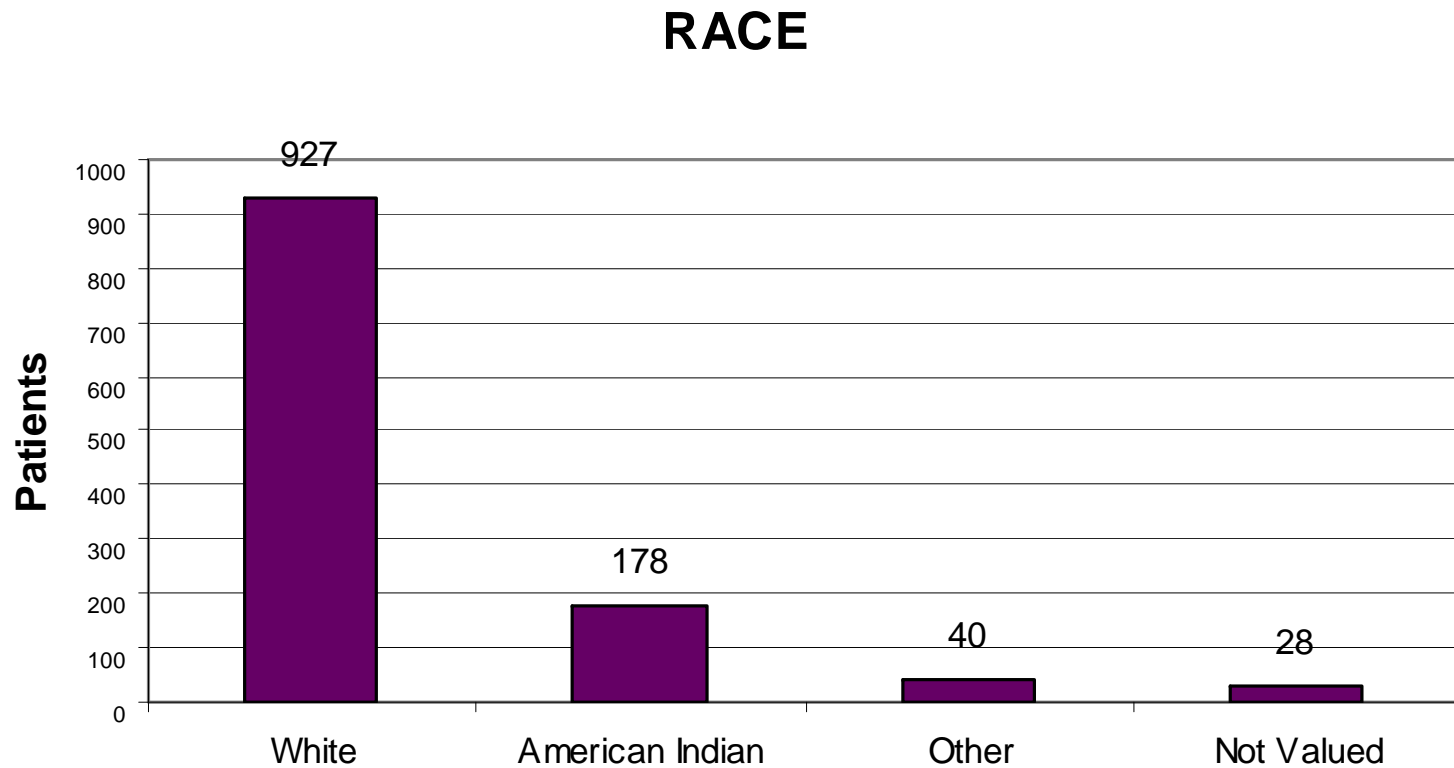
Records by Quarter



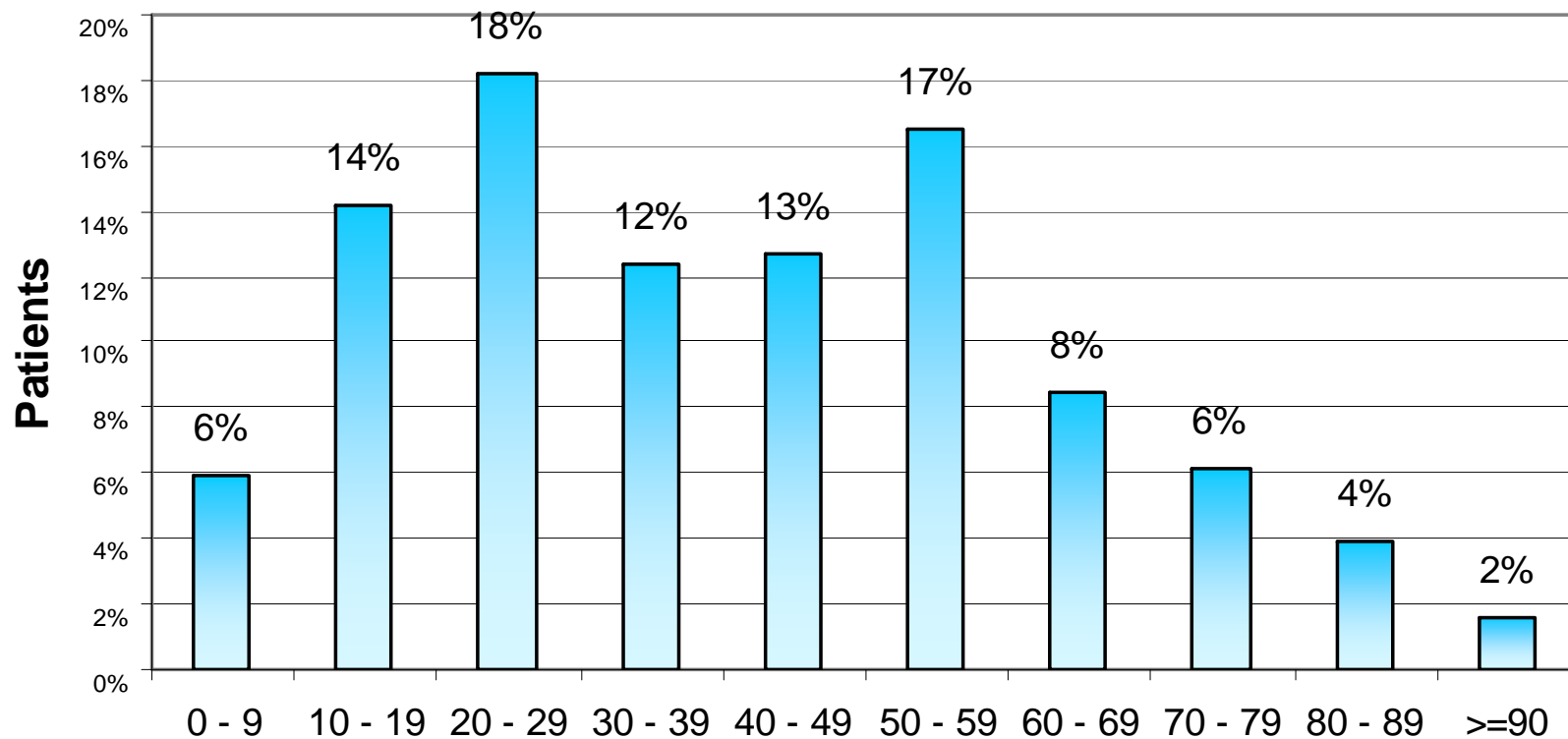
Gender



Race



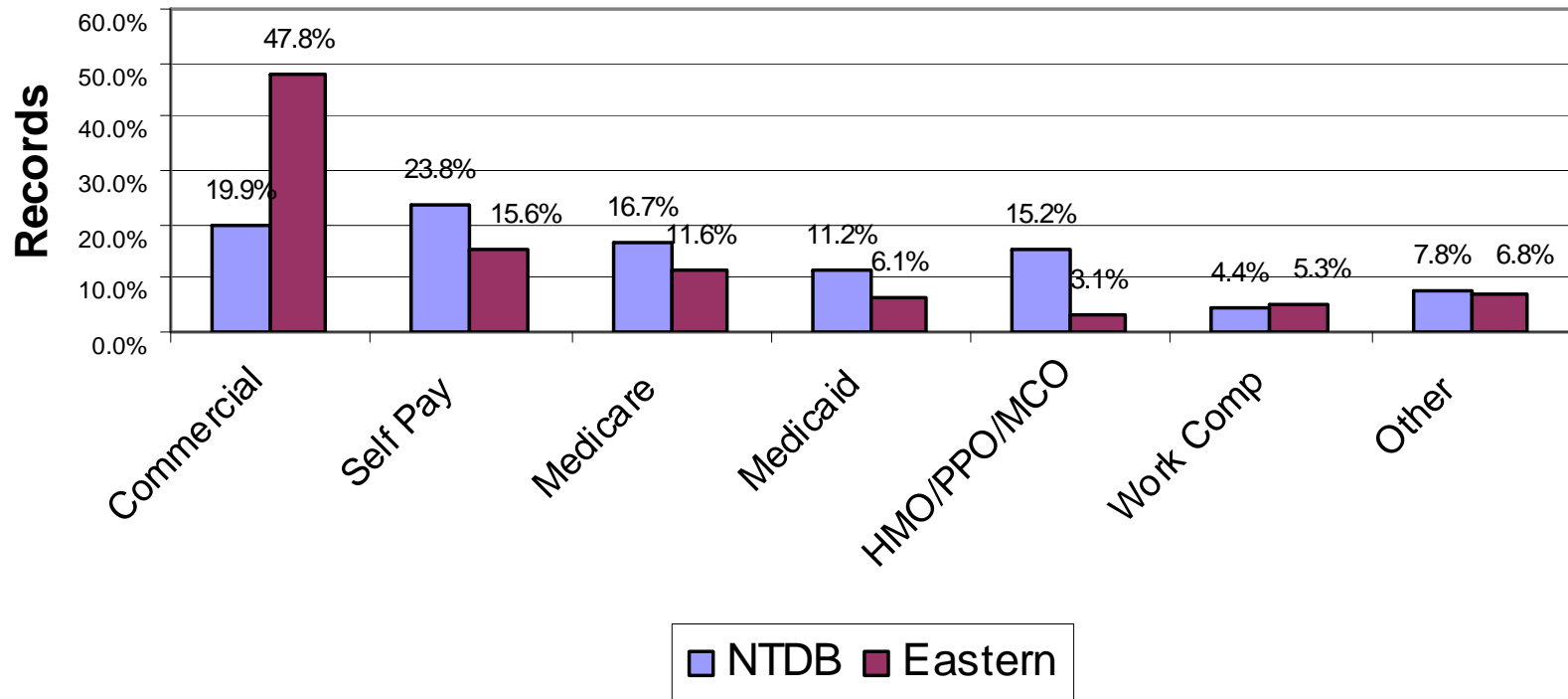
Age



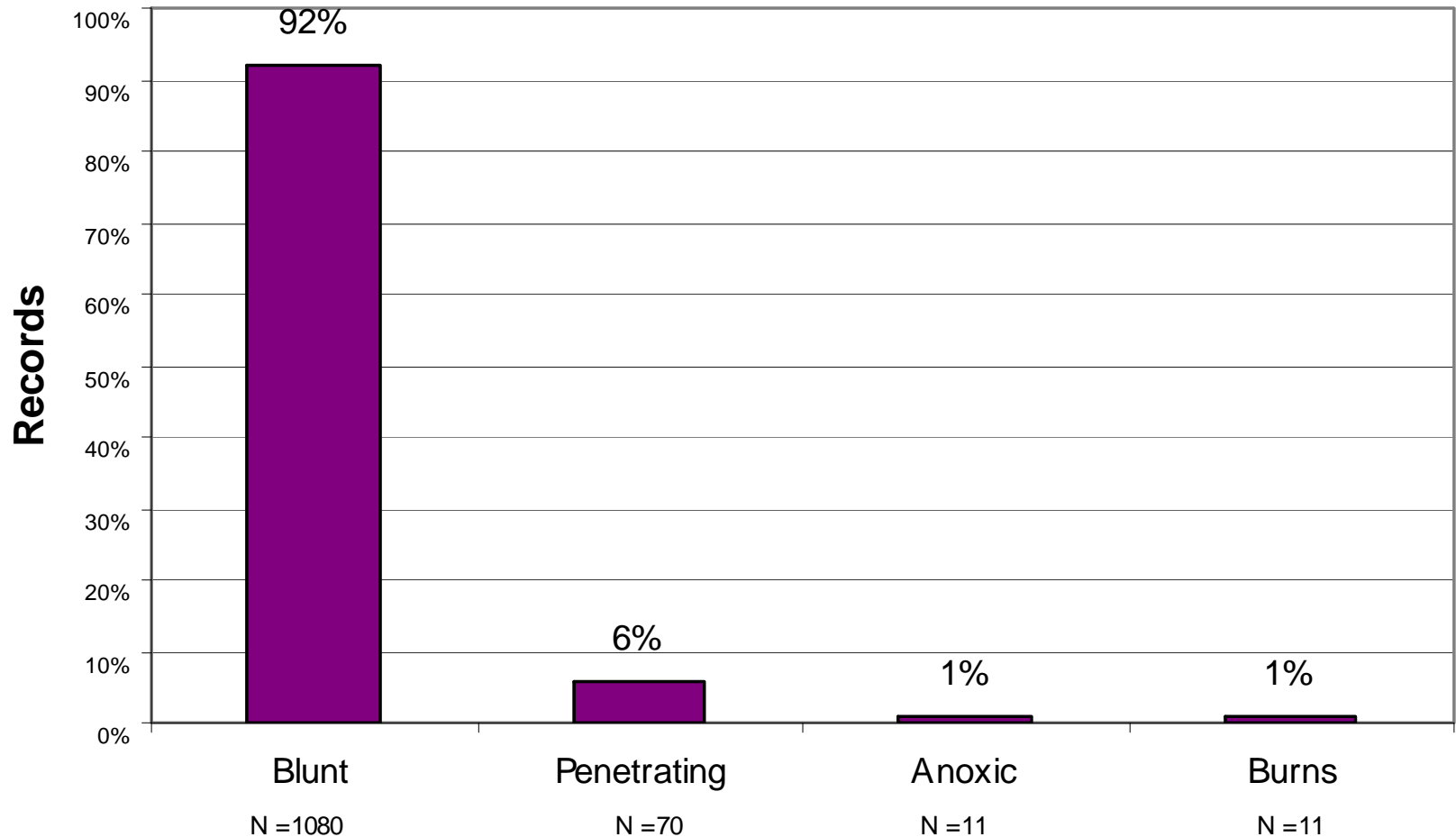
Primary Payor Sources

Not valued = 3.7%

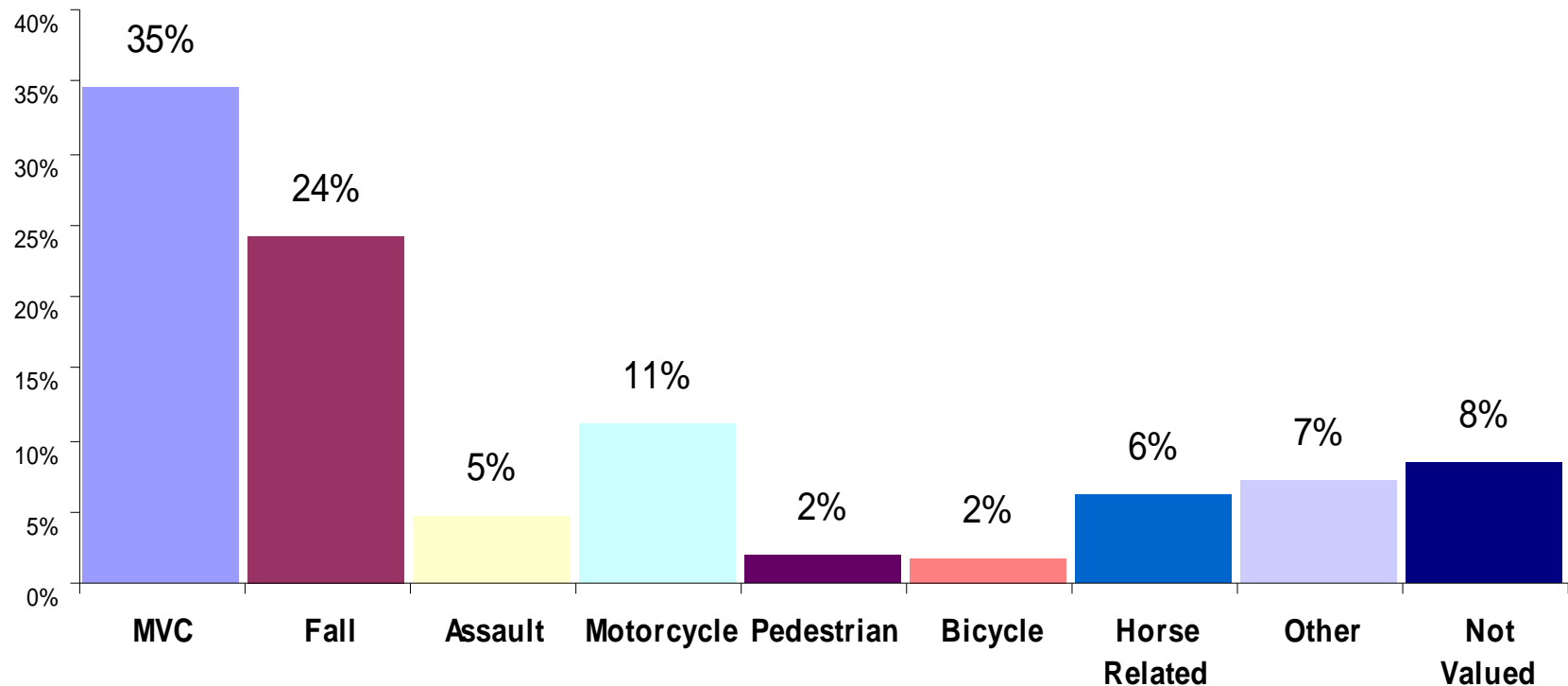
Top Payor Sources



Injury Type



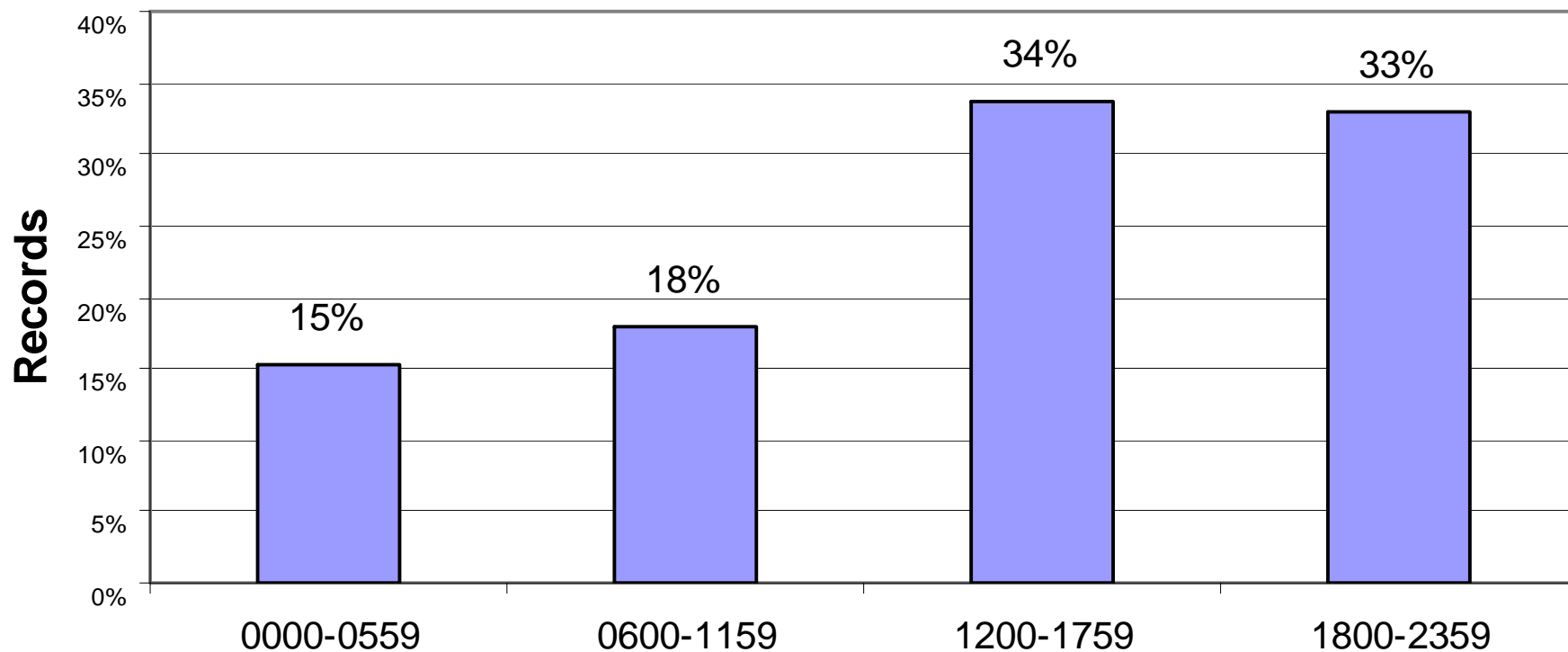
Blunt Injury Cause



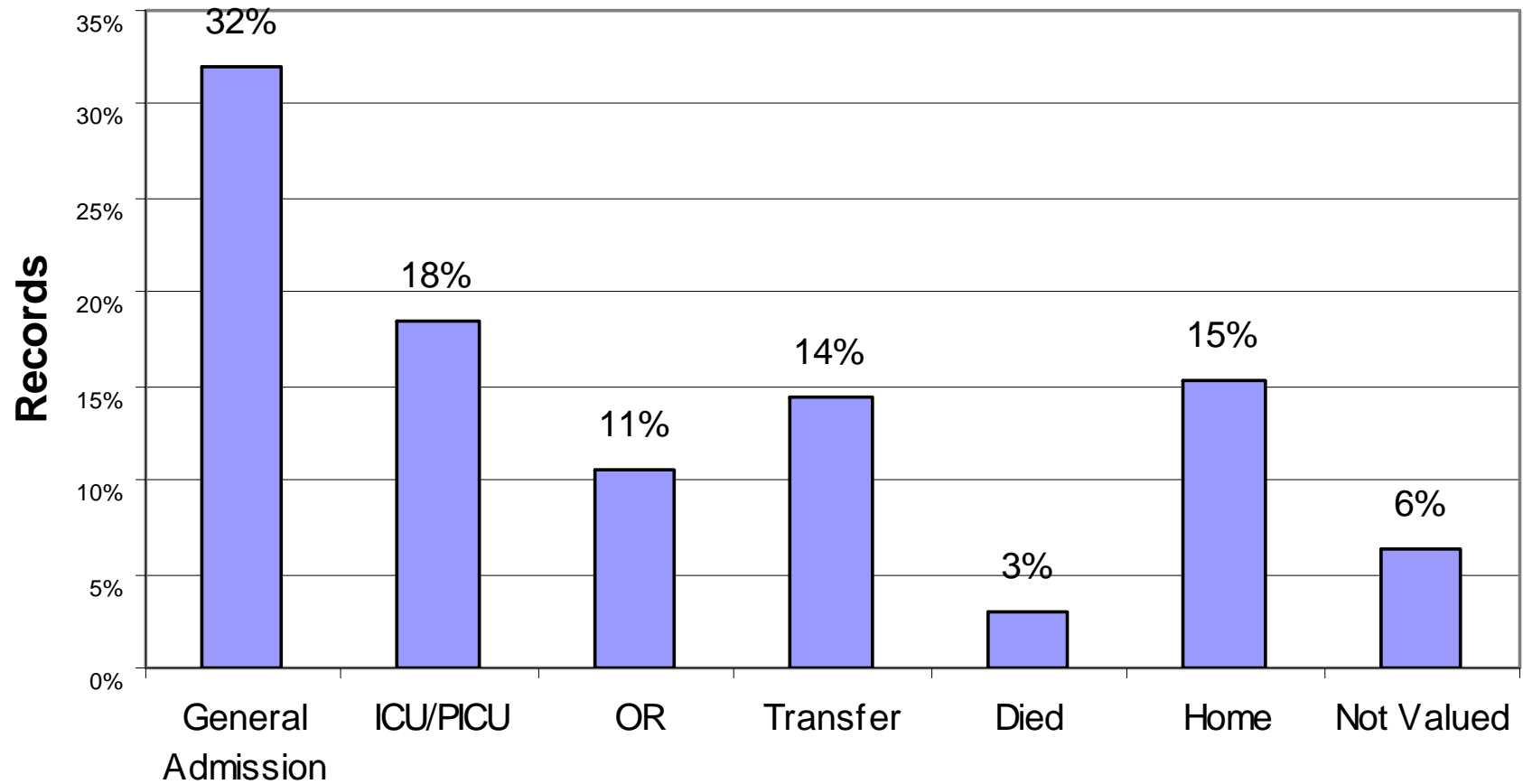
Location of Injury

Home	212	18.1%
Farm	63	5.4%
Mine	6	0.5%
Industry	51	4.4%
Recreation	114	9.7%
Street	528	45.1%
Public Building	30	2.6%
Residential Institution	16	1.4%
Other	60	5.1%
Unspecified	83	7.1%
Not Valued	9	99%
Total	1172	

ED Arrival Time



ED Disposition

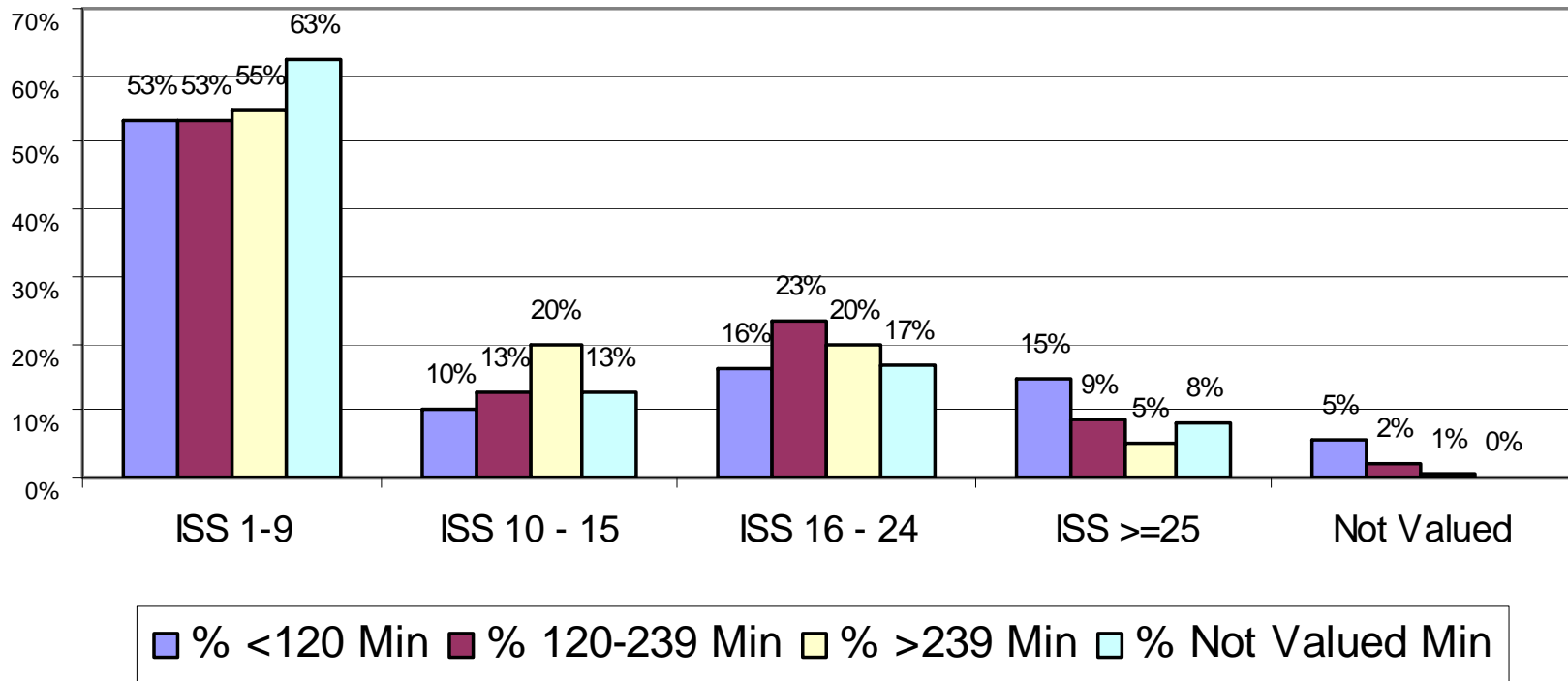


ED Home by ISS

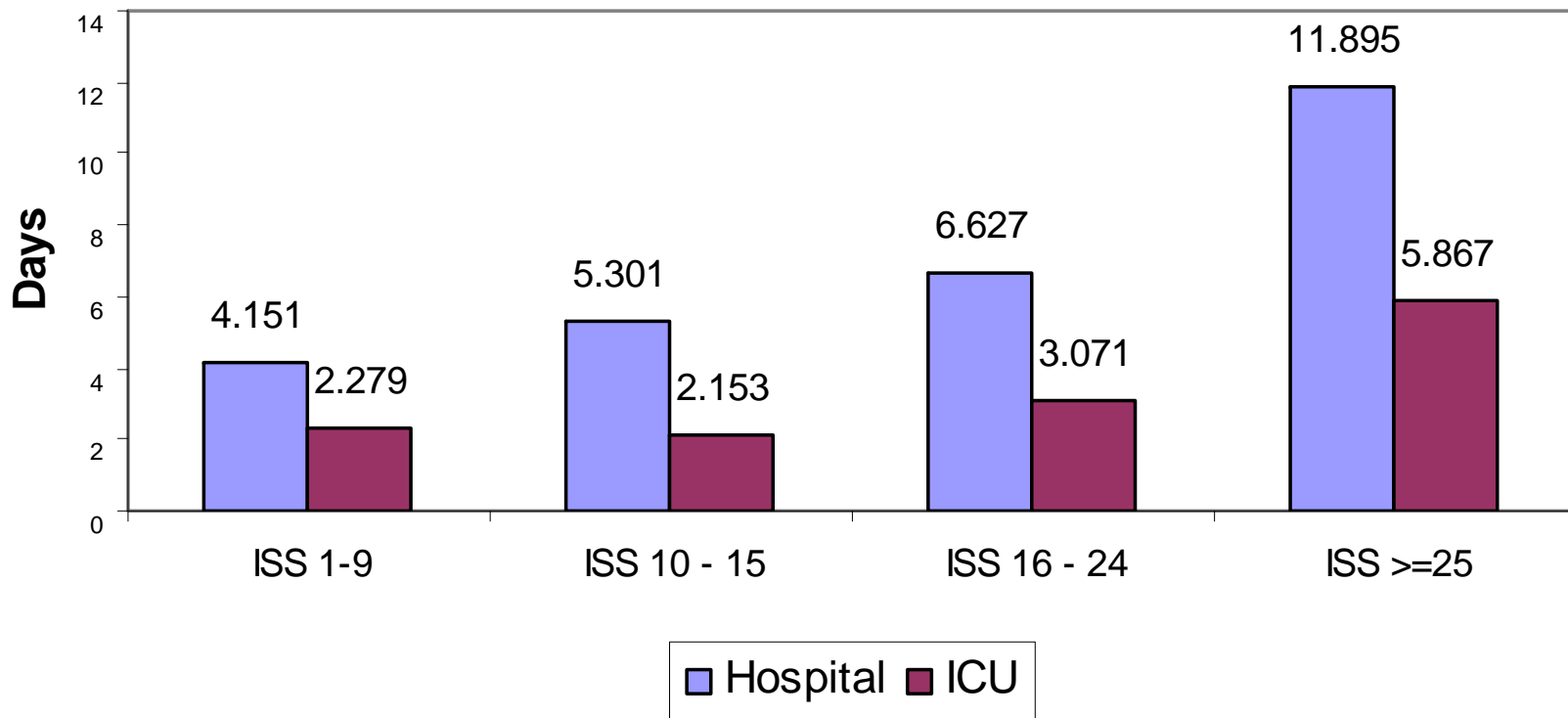
	# Records
1 - 9	144
10 - 15	3
16 - 24	0
>=25	0
Not Valued	4
Total	151

ED LOS by ISS

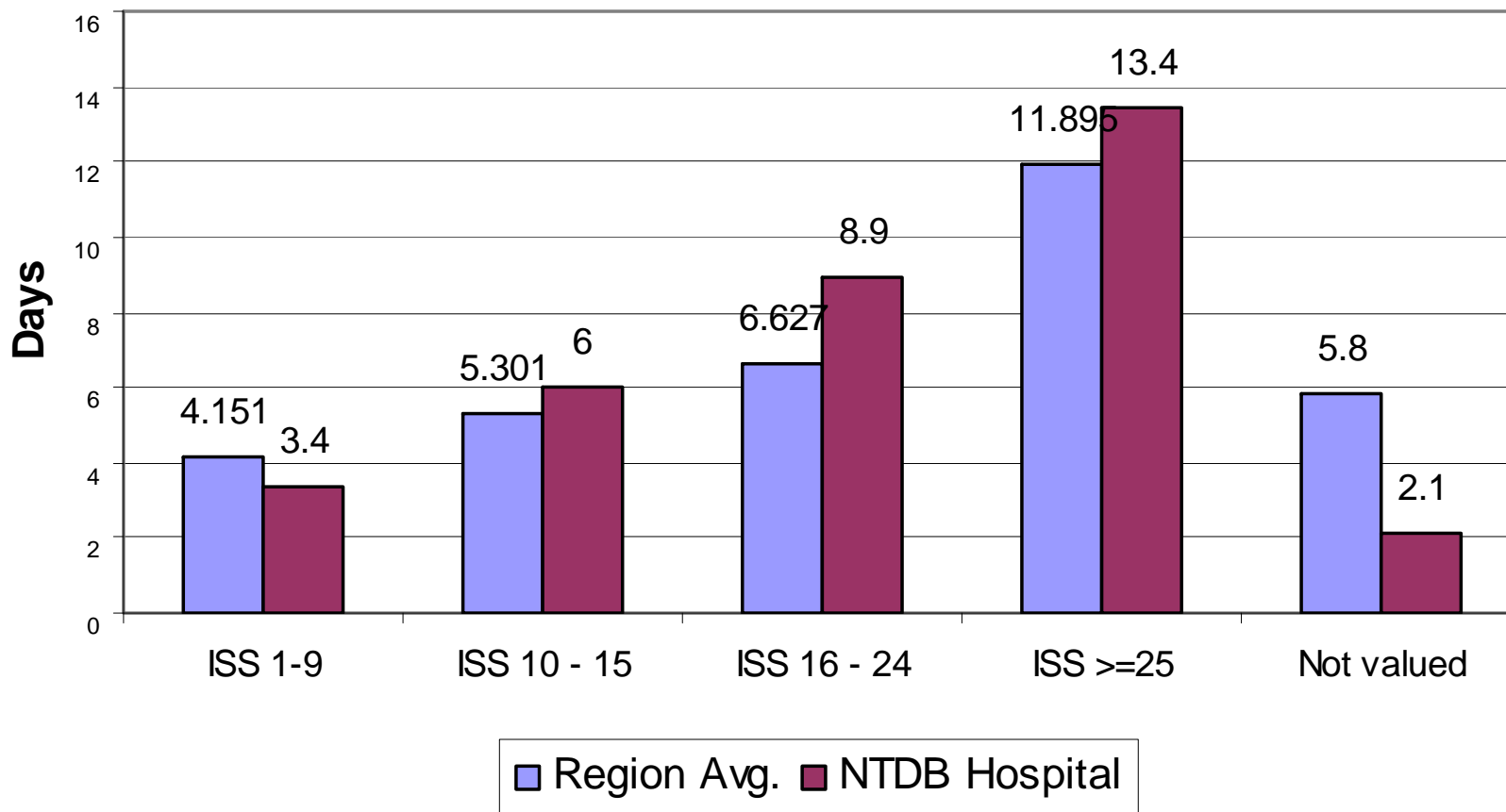
ED LOS by ISS



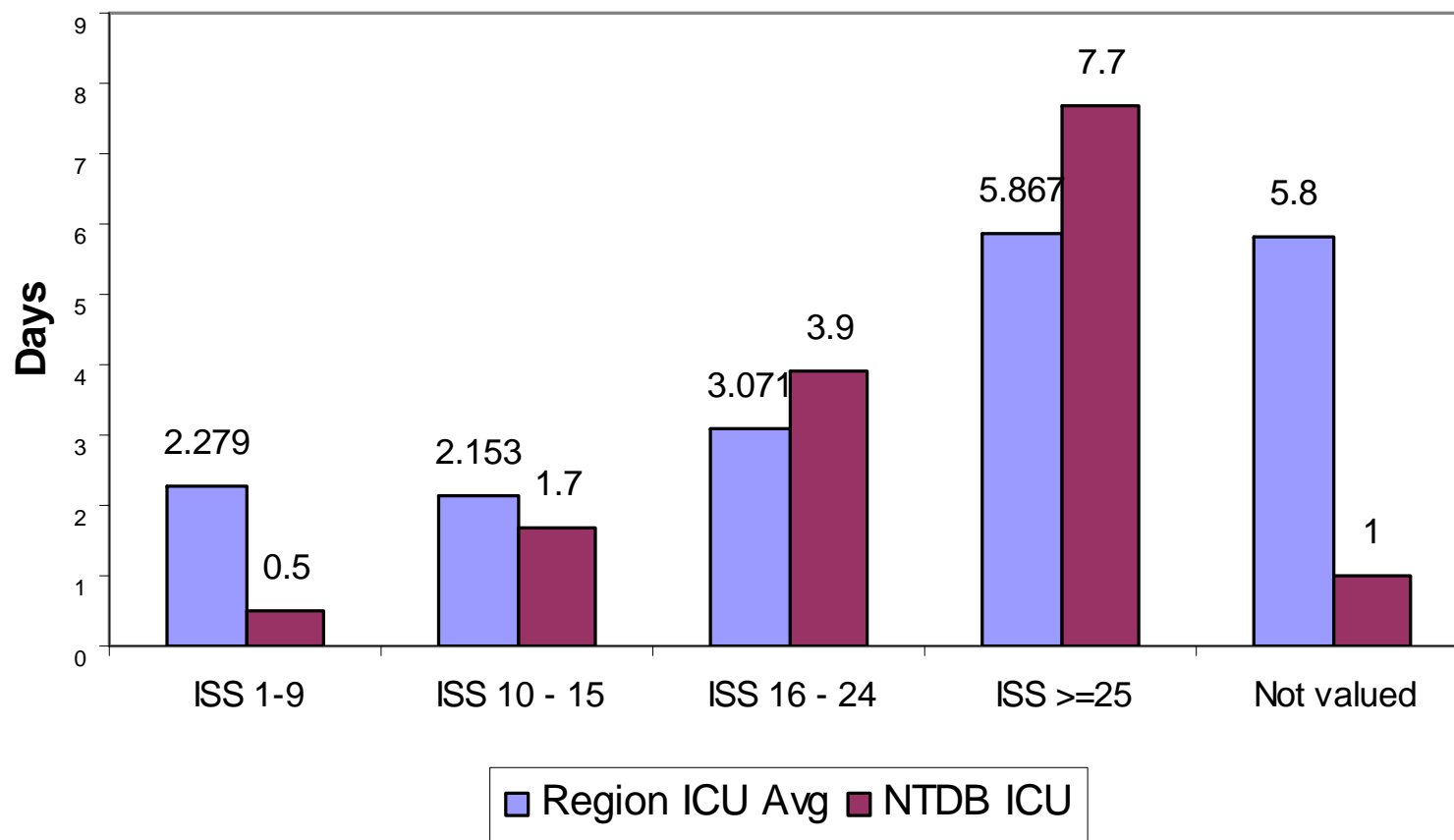
AVG LOS by ISS



AVG Hospital LOS by ISS



AVG ICU LOS by ISS



ISS ≥ 25 & Hosp LOS ≥ 15 days

Total = 23 pts

Survived = 23

Those that had a Hospital LOS ≥ 15 days

BC: 11 (avg. ISS 30)

SVH: 12 (avg. ISS 31)

19/23 ventilated

Of ventilated, all discharged to Rehab or SNF

Not ventilated = 3, all discharged to Home

Most multisystem trauma w/neuro involvement

Patients Transferred into Eastern Region N =68

67 from 9 WY locations

1 from ND

St Vincent Healthcare: 34

Billings Clinic: 34

Injuries: Multiple = 29

Brain = 10

Chest = 5

Ortho = 5

Pelvis = 5

Spine = 4

Facial = 3

Brain/Spine = 3

Hepatic = 1

No/minor injuries = 3

Patients Discharged Out of State (To Acute Care)

N = 37

<u>Facility</u>	<u>Transferred To</u>	<u>Injuries</u>
LMH- 1	HBV	CSpine/cord
Roundup- 3	Williston, ND (3)	Trauma, Psych, Spine
Wolf Point-4	Williston, ND(2)	Ortho, Opthomology
	SLC (2)	Burns
Poplar - 3	Williston, ND(2)	Ped. Head-1 Chest-1
	SLC (1)	Burns

Patients Discharged Out of State (To Acute Care)

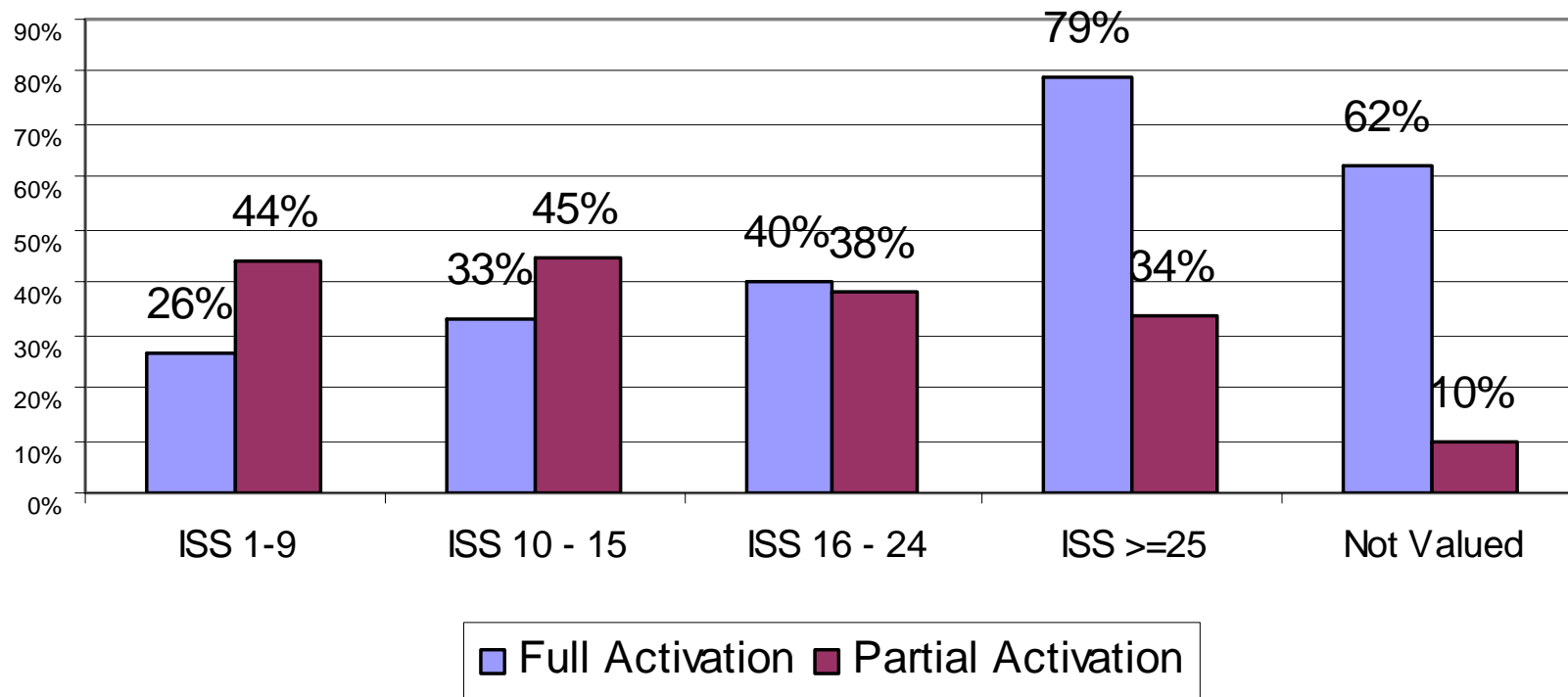
<u>Facility</u>	<u>Transferred To</u>	<u>Injuries</u>
BDH- 12	HBV (7)	complex pelvis-2 Chest- 1, ortho-2 ocular- 1, GSW face-1
	SLC (2)	Peds head-2
	Florida(1)	trauma/home
	Salem, WA	trauma/home

Patients Discharged Out of State (To Acute Care)

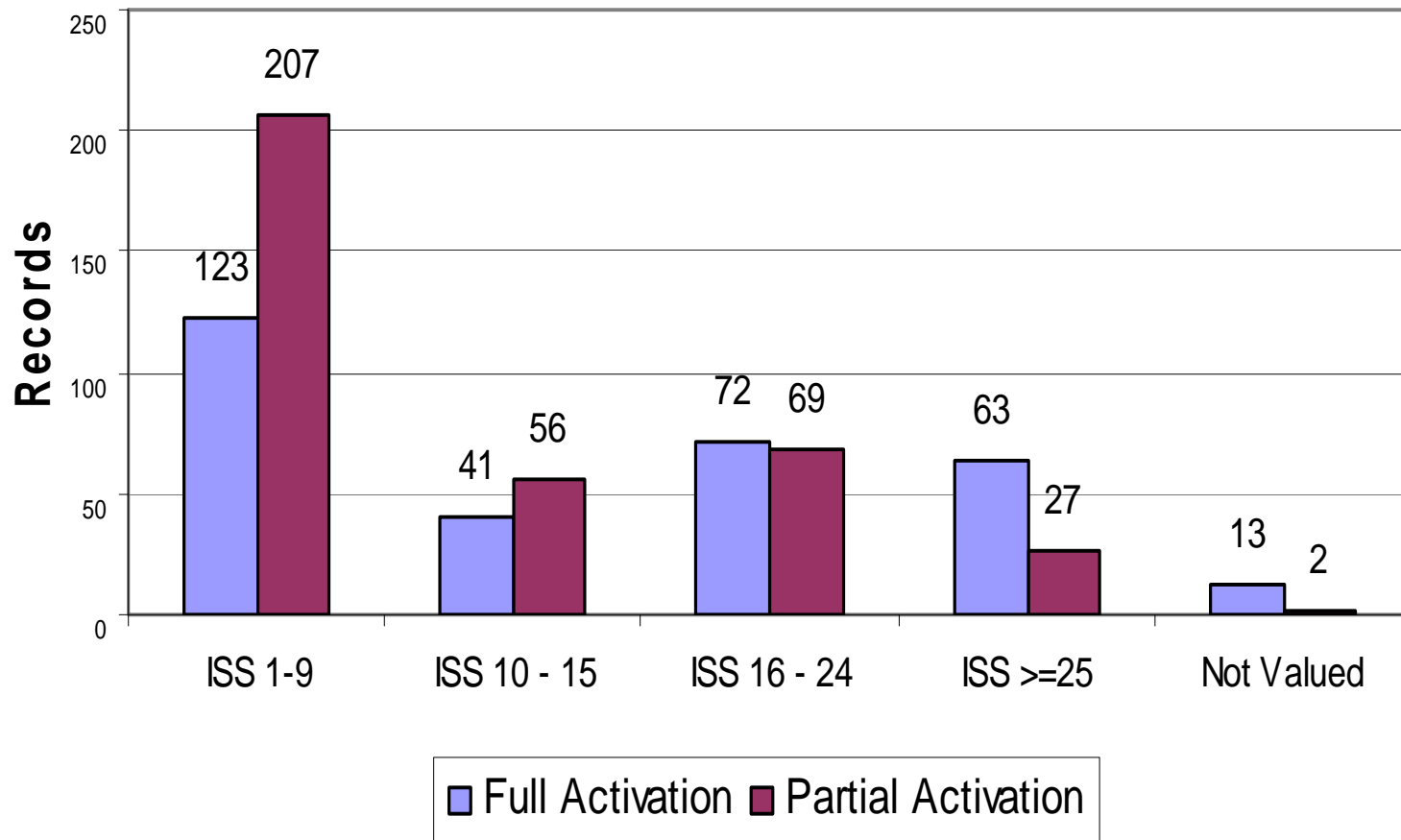
<u>Facility</u>	<u>Transferred To</u>	<u>Injuries</u>
BC – 7	SLC (4)	Adult facial/head-2 tracheal-1, chest-1 pelvis-1, chest-1
	Denver (2)	Trauma/home
	Hershey, PA (1)	
SVH- 9	Denver (5)	Ped. Head- 4 Ped. Liver – 1
	SLC (3)	Burns- 2, Ortho-1
	Cody, WY (1)	Spine/home

Activations (%) by ISS

Activations (%)



Activations # of Patients



Patients w/ISS ≥ 15 & No Trauma Team Activation (Full or Partial) N= 65

■ Arrival to ED

■ PV = 14 (22%)

■ EMS = 34 (52%)

■ Transfers In = 10

Falls: 34 (52%)

Horse/falls: 4 (6%)

Assault/head: 11 (17%)

GSW/head: 1

Primarily CHI: 52 (80%)

GCS 15 = 43%

GCS 12-15 = 20%

GCS ≤ 11 = 4% (2)

GCS UNK = 12%

Patients - Expired

N = 49

Causes:

MVC (33%)	= 16
Fall (33%)	= 16
SI GSW (14%)	= 7
MCC	= 3
Ped vs MV	= 3
Assault	= 2
Bicycle	= 1
Horse	= 1

Patients - Expired

Injury Cause	Protective Device
MVC = 16	Seatbelt = 2 None = 10 Unk = 3 Airbag only = 1
MC = 3	Helmet - 1 No helmet - 2